

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

TELEPHONE: (408) 720-8300

 INTELLECTUAL PROPERTY LAW
 12400 WILSHIRE BOULEVARD, 7TH FLOOR
 LOS ANGELES, CA 90025

FACSIMILE: (408) 720-8383

FACSIMILE COVER SHEET

BEST AVAILABLE COPY

 RECEIVED
 CENTRAL FAX CENTER

OCT 08 2004

Deliver to: Quang D. Vu, USPTO Art Group: 2811
 Facsimile No.: 703-208-7772 ⁸⁷³⁻⁹³⁰⁶ Date: October 8, 2004
 From: Chui-Kiu Teresa Wong, Reg. No. 48,042

Our Docket No.: 4363P004 Number of pages 25 including this sheet.

Application No.: 09/843,486 Filing Date: 4/25/2001

Docket Due Date(s): _____

Enclosed are the following documents:

- | | |
|---|--|
| <input type="checkbox"/> Amendment: _____ (_____ pgs) | <input type="checkbox"/> Issue Fee Transmittal |
| <input type="checkbox"/> Appeal Brief (in triplicate) (_____ pgs) | <input type="checkbox"/> Notice of Appeal |
| <input type="checkbox"/> Application: _____
(_____ pgs) w/cover & abstract) | <input checked="" type="checkbox"/> Petition for: <u>and Amendment for Correction of</u> |
| <input checked="" type="checkbox"/> Assignment & Cover Sheet (<u>3</u> pgs) | <input type="checkbox"/> Request for Continued Examination (RCE) |
| <input checked="" type="checkbox"/> Certificate of Facsimile _____ | <input type="checkbox"/> Reply Brief (_____ pgs) |
| <input type="checkbox"/> Continued Prosecution Application (CPA) | <input type="checkbox"/> Request & Certification Under 35 USC 122(b)(2)(B)(i) |
| <input checked="" type="checkbox"/> Declaration & POA (<u>12</u> pgs) | <input type="checkbox"/> Request to Rescind Previous Nonpublication Request |
| <input type="checkbox"/> Drawings: _____ sheets, _____ figures | <input type="checkbox"/> Response to Notice of Missing Parts & Formalities Letter |
| <input type="checkbox"/> Extension of Time: _____ | <input type="checkbox"/> Response to Written Opinion (_____ pgs) |
| <input checked="" type="checkbox"/> Fee Transmittal (in duplicate) | <input type="checkbox"/> Terminal Disclaimer |
| <input type="checkbox"/> IDS & PTO/SB/08 (_____ pgs) | <input type="checkbox"/> Transmittal of Publication Fee Due |
| <input checked="" type="checkbox"/> Other <u>Statement of Facts by Stephen Boyd under 37 C.F.R. 1.48(a), 2 pages, Asset of Assignee Under 37 CFR 3.73(B),</u> | <input type="checkbox"/> Transmittal Letter |
| <u>for Correction of Inventorship with copy of previous Notice of Recordation (3) pages.</u> | |

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.84)

I hereby certify that this correspondence is being transmitted by facsimile on the date shown below to the United States Patent and Trademark Office.

Janet Channon

10/8/2004
10/8/2004

Date

Confidentiality Note: The documents accompanying this facsimile transmission contain information from the law firm of Blakely, Sokoloff, Taylor & Zafman which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

If you do not receive all the pages, or if there is any difficulty in receiving, please call: (408) 720-8300 and ask for .

FEE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 170.00

Complete if Known

Application Number	09/843,486
Filing Date	April 25, 2001
First Named Inventor	Mar Hershenson
Examiner Name	Quang D. Vu
Art Unit	2811
Attorney Docket No.	4363P004

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account

Deposit Account Number

02-2666

Deposit Account Name

Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

- ☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	385	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	650	2003	275	Plant filing fee	
1004	780	2004	395	Reissue filing fee	
1005	180	2005	90	Provisional filing fee	
SUBTOTAL (1)					(\$)

2. EXTRA CLAIM FEES

Total Claims: = 24 * = X =
 Independent Claims: = 4 = X =
 Multiple Dependent: = =

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	88	2201	44	Independent claims in excess of 3	
1203	300	2203	150	Multiple Dependent claim, if not paid	
1204	68	2204	44	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

*or number previously paid, if greater. For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920 *	1804	920 *	Requesting publication of SIR prior to Examiner action	
1805	1,840 *	1805	1,840 *	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	880	2253	430	Extension for reply within third month	
1254	1,630	2254	785	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1404	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	880	2503	330	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	130.00
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.128(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.128(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					
* Reduced by Basic Filing Fee Paid					
SUBTOTAL (3)					(\$) 170.00

SUBMITTED BY

Name (Print/Type) Chui-Kiu Teresa Wong

Registration No. (Attorney/Agent)

48,042

Complete (if applicable)

Telephone

(408) 720-8300

Signature

Date

10/8/04

Based on PTO/SB/17 (10-03) as modified by Blakely, Sokoloff, Taylor & Zafman (04/02/10/2004).
 SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

FEE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$) 170.00

Complete if Known

Application Number 09/843,486
Filing Date April 25, 2001
First Named Inventor Mar Hershenson
Examiner Name Quang D. Vu
Art Unit 2811
Attorney Docket No. 4363P004

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account

Deposit Account Number 02-2666

Deposit Account Name Blakey, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.18, 1.17, 1.18 and 1.20.
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(5)

2. EXTRA CLAIM FEES

Total Claims 24 = X =
Independent Claims 4 = X =
Multiple Dependent

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	88	2201	44	Independent claims in excess of 3	
1203	300	2203	150	Multiple Dependent claim, if not paid	
1204	88	2204	44	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(5)

*or number previously paid, if greater. For Reissues, see below

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or cash	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920 *	1804	920 *	Requesting publication of SIR prior to Examiner action	
1805	1,840 *	1805	1,840 *	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	980	2253	490	Extension for reply within third month	
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1404	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	2451	1,510	Petition to Institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	660	2503	330	Plant issue fee	130.00
1480	130	2480	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(d)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1809	790	1809	395	Filing a submission after final rejection (37 CFR § 1.128(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.128(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify)					
SUBTOTAL (3)					(5) 170.00

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

Name (Print/Type) Chui-Kiu Teresa Wong

Signature

Registration No. (Attorney/Agent)

48,042

Telephone

(408) 720-8300

Date

10/8/04

Based on PTO/SB/17 (10-03) as modified by Blakey, Sokoloff, Taylor & Zafman (Ltr) 02/10/2004.
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

OCT 08 2004

Docket No.: 004363.P004

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mar Hershenson

Application No.: 09/843,486

Filing Date: April 25, 2001

For: Optimal Simultaneous Design and
Floorplanning of Integrated CircuitCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Examiner: Quang D. Vu

Art Unit: 2811

AMENDMENT AND PETITION UNDER 37 C.F.R. /1.48(a)
TO CORRECT INVENTORSHIP

Dear Sir:

The undersigned hereby respectfully requests and petitions that the above-referenced application be amended under 37 C.F.R./1.48(a) to correct inventorship of the application.

The application was filed on April 25, 2001 naming the following persons as inventors of the present patent application:

Mar Hershenson and Arash Hassibi and Andre Hentz.

Please correct and amend the present patent application so Stephen Boyd, a citizen of the United States of America and having a residence address of 663 San Juan Street, Stanford, California 94305 is additionally named as a joint inventor, so that Mar Hershenson and Arash Hassibi and Andre Hentz and Stephen Boyd are then named as joint inventors of the present patent application.

It is respectfully submitted that the error in inventorship of the present application was made without any deceptive intent by anyone, including the actual inventors.

Enclosed with this Amendment and Petition is as follows:

(1) verified Statement of Facts by Stephen Boyd stating that the error in inventorship of the present patent application was made without any deceptive intent by anyone.

(2) an executed Declaration/Power of Attorney indicating all inventors;

(3) an Assent of Assignee for Correction of Inventorship with a copy of the previously recorded Assignment document; and

(4) an Assignment by the additional inventor, Stephen Boyd, to be recorded in accordance with 47 C.F.R./1.331. Please charge to our Deposit Account Number 02-2666 in the amount of \$40.00 to cover the recordation fee required by 37 C.F.R./1.21(h).

Also please charge to our Deposit Account Number 02-2666 the amount of \$130.00 in payment of the fee under C.F.R. 1.17(i) for correction of inventorship.

Respectfully submitted,

Blakely, Sokoloff, Taylor & Zafman LLP

C72-8 10/18/04

Chui-Kiu Teresa Wong

Reg. No.: 48,042

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, CA 90025
(408)720-8300

CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office on:

Date of Transmission October 8, 2004
Janece Shannon Janece Shannon
(Type or printed name of person transmitting paper) (Signature of person transmitting paper)

OCT 08 2004

Docket No.: 004363.P004

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Examiner: Quang D. Vu

Mar Hershenson

Art Unit: 2811

Application No.: 09/843,486

Filing Date: April 25, 2001

For: Optimal Simultaneous Design and
Floorplanning of Integrated CircuitCommissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450STATEMENT OF FACTS BY
Stephen Boyd
UNDER 37. C.F.R. /1.48(a)

Dear Sir:

I hereby declare:

1. I am making this Statement of Facts under 37 C.F.R./1.48(a) in connection with U.S. Patent Application Serial No.: 09/843,486 filed April 25, 2001 (hereinafter referred to as "the present patent application").

2. I am a citizen of the United States and currently reside at the following address:

Stephen Boyd
663 San Juan Street
Stanford, CA 94305

3. The error was made by naming Mar Hershenson, Arash Hassibi and Andre Hentz as joint inventors, rather than naming Mar Hershenson, Arash Hassibi, Andre Hentz and Stephen Boyd as joint inventors.

4. The inventorship error was made without any deceptive intent whatsoever by anyone, and including myself.

5. It is now requested that the additional inventor, Stephen Boyd, be added to the present patent application.

I declare that all statements made herein or my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Dated: _____

9/26/07

S. P. H.

Stephen Boyd

OCT 08 2004

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)		Attorney Docket Number	4363P004
		First Named Inventor	Mar Hershenson
		COMPLETE IF KNOWN	
		Application Number	09/843,486
		Filing Date	April 25, 2001
		Art Unit	2811
		Examiner Name	Quang D. Vu

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Optimal Simultaneous Design and Floorplanning of Integrated Circuit

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 04/25/2001 as United States Application Number 09/843,486

as PCT International Application Number

and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Docket No. 4363P004

-1-

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: 08791 as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

Correspondence:

Direct all correspondence to Customer Number 08791.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Mar Hershenson

Inventor's Signature  Date 9/24/04

Residence Los Altos, California USA Citizenship Spain
(City, State, Country) (Country)

Mailing Address 430 Marich Way
Los Altos, California 94043 USA

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Arash Hassibi
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Mountain View, California USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 2124 Rock Street, Apt 43
Mountain View, California 94043 USA

NAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Andre Hentz
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Mountain View, California USA Citizenship Brazil
(City, State, Country) (Country)
Mailing Address 357 View Street #2
Mountain View, California 94041 USA

NAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Stephen Boyd
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Stanford, California USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 663 San Juan Street
Stanford, California 94035 USA

NAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
(City, State, Country) (Country)
Mailing Address _____

OCT 08 2004

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	4363P004	
		First Named Inventor	Mar Hershenson	
		COMPLETE IF KNOWN		
<input type="checkbox"/> Declaration Submitted with Initial Filing	OR	<input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)	Application Number	09/843,486
			Filing Date	April 25, 2001
			Art Unit	2811
			Examiner Name	Quang D. Vu

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Optimal Simultaneous Design and Floorplanning of Integrated Circuit

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 04/25/2001

as United States Application Number

09/843,486

as PCT International Application Number

and was amended on

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: **08791** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

Correspondence:

Direct all correspondence to Customer Number **08791**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Mar Hershenson
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Los Altos, California USA Citizenship Spain
(City, State, Country) (Country)

Mailing Address 430 Marich Way
Los Altos, California 94043 USA

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: Arash Hassibi

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature Arash HassibiDate 9/30/2004Residence Mountain View, California USA

(City, State, Country)

Citizenship USA

(Country)

Mailing Address 2124 Rock Street, Apt. 43Mountain View, California 94043 USANAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: Andre Hentz

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____

Date _____

Residence Mountain View, California USA

(City, State, Country)

Citizenship Brazil

(Country)

Mailing Address 357 View Street #2Mountain View, California 94041 USANAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventorFull Name: Stephen Boyd

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____

Date _____

Residence Stanford, California USA

(City, State, Country)

Citizenship USA

(Country)

Mailing Address 663 San Juan StreetStanford, California 94035 USANAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: _____

(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____

Date _____

Residence _____

(City, State, Country)

Citizenship _____

(Country)

Mailing Address _____

OCT 08 2004

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63) <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)		Attorney Docket Number	4363P004
		First Named Inventor	Mar Hershenson
		COMPLETE IF KNOWN	
		Application Number	09/843,486
		Filing Date	April 25, 2001
		Art Unit	2811
		Examiner Name	Quang D. Vu

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Optimal Simultaneous Design and Floorplanning of Integrated Circuit

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 04/25/2001 as United States Application Number 09/843,486
as PCT International Application Number

and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Docket No. 4363P004

-1-

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: **08791** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

Correspondence:

Direct all correspondence to Customer Number **08791**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Mar Hershenson
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Los Altos, California USA Citizenship Spain
(City, State, Country) (Country)

Mailing Address 430 Marich Way
Los Altos, California 94043 USA

Docket No. 4363P004

-2-

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Arash Hassibi
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Mountain View, California USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 2124 Rock Street, Apt. 43
Mountain View, California 94043 USA

NAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Andre Hentz
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature [Signature] Date 09/24/2004
Residence Mountain View, California USA Citizenship Brazil
(City, State, Country) (Country)
Mailing Address 357 View Street #2
Mountain View, California 94041 USA

NAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Stephen Boyd
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Stanford, California USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 663 San Juan Street
Stanford, California 94035 USA

NAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
(City, State, Country) (Country)
Mailing Address _____

OCT 08 2004

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	4363P004
		First Named Inventor	Mar Hershenson
<input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)		COMPLETE IF KNOWN	
		Application Number	09/843,486
		Filing Date	April 25, 2001
		Art Unit	2811
		Examiner Name	Quang D. Vu

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Optimal Simultaneous Design and Floorplanning of Integrated Circuit

(Title of the Invention)

the specification of which

☐ is attached hereto.

OR

☒ was filed on (if applicable):

or 04/25/2001 as United States Application Number 09/843,486

as PCT International Application Number

and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No

Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: **08791** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

If this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

Correspondence:

Direct all correspondence to Customer Number **08791**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Mar Hershenson
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature _____ Date _____

Residence Los Altos, California USA Citizenship Spain
(City, State, Country) (Country)

Mailing Address 430 Marich Way
Los Altos, California 94043 USA

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Arash Hassibi
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Mountain View, California USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 2124 Rock Street, Apt. 43
Mountain View, California 94043 USA

NAME OF THIRD INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Andre Hentz
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence Mountain View, California USA Citizenship Brazil
(City, State, Country) (Country)
Mailing Address 357 View Street #2
Mountain View, California 94041 USA

NAME OF FOURTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: Stephen Boyd
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature S B Date 9/26/04
Residence Stanford, California USA Citizenship USA
(City, State, Country) (Country)
Mailing Address 663 San Juan Street
Stanford, California 94035 USA

NAME OF FIFTH INVENTOR: ☐ A petition has been filed for this undersigned inventor

Full Name: _____
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])
Inventor's Signature _____ Date _____
Residence _____ Citizenship _____
(City, State, Country) (Country)
Mailing Address _____

OCT 08 2004

Docket No.: 004363.P004

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mar Hershenson

Application No.: 09/843,486

Filing Date: April 25, 2001

For: Optimal Simultaneous Design and
Floorplanning of Integrated Circuit

Examiner: Quang D. Vu

Art Unit: 2811

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450ASSENT OF ASSIGNEE UNDER 37 C.F.R./3.73(B)
FOR CORRECTION OF INVENTORSHIP

Dear Sir:

Attached please find a copy of the Recordation of Assignment document that is currently on file with the U.S. Patent and Trademark Office concerning the above noted application. The Assignment document is being submitted to provide evidence of chain of title for this application.

Assignee, Barcelona Design Inc., a Delaware corporation having a place of business at 997 East Arques Avenue, Sunnyvale, CA 94085, does hereby assent to the correction of inventorship, the petition for which is filed herewith, which seeks to add Stephen Boyd as an additional inventor in the above-referenced application. The undersigned, Ariel Sella, does declare, under penalty of perjury, that he is authorized by Barcelona Design, Inc. to make this Assent of Assignee for Correction of Inventorship.

Respectfully submitted,

Dated: 9/30/04
Ariel Sella

Chief Executive Officer



UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
 ASSISTANT SECRETARY AND COMMISSIONER
 OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231

ENTERED

JULY 18, 2001

JUL 24 2001

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
 EDWIN H. TAYLOR
 12400 WILSHIRE BOULEVARD
 SEVENTH FLOOR
 LOS ANGELES, CA 90025-1026

RECEIVED
 JUL 23 2001



101703691A

04363 P004
 Barcelona Design
 EHT

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
 LOS ANGELES
 UNITED STATES PATENT AND TRADEMARK OFFICE
 NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/25/2001

REEL/FRAME: 011754/0942
 NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
 HASSIBI, ARASH

DOC DATE: 04/23/2001

ASSIGNOR:
 HENTZ, ANDRE

DOC DATE: 04/23/2001

ASSIGNOR:
 HERSHENSON MAR

DOC DATE: 04/14/2001


ASSIGNEE:
 BARCELONA DESIGN, INC.
 704 TOWN AND COUNTRY VILLAGE
 A DELAWARE CORPORATION
 SUNNYVALE, CALIFORNIA 94086

SERIAL NUMBER: 09843486
 PATENT NUMBER:

FILING DATE: 04/25/2001
 ISSUE DATE:

011754/0942 PAGE 2

DOROTHY BASMA, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTO-1595 (Rev. 10/02) OMD No. 0651-0011 (exp. 6/30/2005)		Recordation Form Cover Sheet PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Mar Hershenson; Arash Hassibi; Andre Hentz; Stephen Boyd			2. Name and address of receiving party(ies): Name: Barcelona Design, Inc.		
Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			Internal Address: _____ Street Address: 39677 Eureka Drive		
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other <u>Correction of Inventorship</u>			City: Newark State: CA Zip: 94560 Country: USA		
Execution Date: 9/26/2004			Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____					
A. Patent Application No.(s) 09/843,486			B. Patent No.(s) _____ _____ _____ _____		
Additional numbers attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: _____ Street Address: 12400 Wilshire Boulevard 7th Floor City: Los Angeles State: CA ZIP: 90025			6. Total number of applications and patents involved: 1		
_____ _____			7. Total Fee (37 CFR 3.41).....\$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account		
_____ _____			8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.</i>					
ChuiKiu Teresa Wong, Reg. No. 48,042 Name of Person Signing			 Signature		10/8/04 Date
Total number of pages including cover sheet, attachments, and document: 3					

Mail documents to be recorded with required cover sheet information to:
 Mail Stop Assignment Recordation Services
 Director of the US Patent and Trademark Office
 P.O. Box 1450
 Alexandria, VA 22313-1450

Docket No. 4363P004

Attorney's Docket No.: 4363P004

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Mar Hershenson; Arash Hassibi; Andre Hentz; Stephen Boyd

hereby sell, assign, and transfer to:

Barcelona Design, Inc.

a Corporation of Delaware, having a principal place of business at 39677 Eureka Drive, Newark, California 94560 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on April 25, 2001, and assigned Application No. 09/843,486 and is entitled:

Optimal Simultaneous Design and Floorplanning of Integrated Circuit

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

Date _____ Name: **Mar Hershenson**

Date _____ Name: **Arash Hassibi**

Date _____ Name: **Andre Hentz**

Date 9/26/04 Name: S P-Y
Stephen Boyd

Date _____ Name: _____

Date _____ Name: _____

Date _____ Name: _____

Date _____ Name: _____

Date _____ Name: _____

Date _____ Name: _____

Date _____ Name: _____

Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025
Telephone: (408) 720-8300

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.